

ABSTRACT
QUALITY ASSESMENT TOOL

5 This invention relates to a non-intrusive speech quality
assessment system. The invention provides a method and
apparatus for storing a sequence of intercepted packets
associated with a call each packet containing speech data,
and an indication of a transmission time of said packet;
10 storing with each intercepted packet an indication of an
intercept time of said packet; extracting a set of
parameters from said sequence of packets; and generating
an estimated mean opinion score in dependence upon said
set of parameters; characterised in that the extracting
15 step comprises the sub steps of: generating a jitter
parameter for each of a sequence of stored packets in
dependence upon the difference between the transmission
time of a stored packet and the transmission time of a
preceding stored packet of the sequence; and the
20 difference between the intercept time of said stored
packet and the intercept time of said preceding packet;
generating a long term average jitter parameter for said
stored packet in dependence upon the value of said jitter
parameter for said stored packet and the value of said
25 jitter parameter for any preceding stored packets; and
generating a differential jitter parameter in dependence
upon the jitter parameter and the long term jitter
differential parameter.

Figure 4.

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